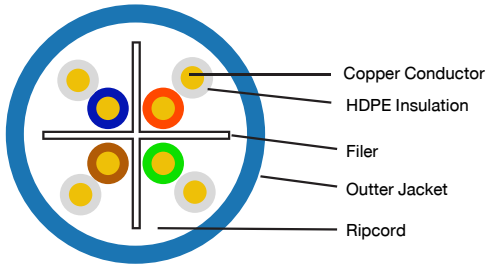


U/UTP CAT6 23AWG LAN Cable



Applications :

- 100 Base-TX
- 100 Base-T
- 100VG-AnyLAN
- 1000 Base-T(Gigabit Ethernet)
- 1000 Base-TX
- 10G Base-T (@ 55M)
- 155Mbps ATM
- 622 Mbps ATM
- Data Center, VoIP, ISDN, PoE, IoT, CCTV

Standards :

- ANSI/TIA 568.2-D Cat6
- ISO/IEC 11801:2017 Class E
- IEC61156
- UL444

Operating temperature : 60 °C

Structures :

- Construction : U/UTP
- Conductor dimension : 23AWG
- Conductor material : Solid copper

Insulations :

- Insulation material : HDPE
- Insulation dimension : 0.96 mm
- Cross filler : Yes

Sheaths :

- Outer jacket material : CM/CMR PVC, LSZH
- Outer jacket color : As customer request
- Ripcord : Yes

Performance Characteristic :

Frequency (Mhz)	IL (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	RL (dB)
1	3.0	65.0	62.0	64.2	61.2	19.1
4	3.5	64.1	61.8	52.1	49.1	21.0
8	5.0	59.4	57.0	46.1	43.1	21.0
10	5.5	57.8	55.5	44.2	41.2	21.0
16	7.0	54.6	52.2	40.1	37.1	20.0
20	7.9	53.1	50.7	38.2	35.2	19.5
25	8.9	51.5	49.1	36.2	33.2	19.0
31.25	10.0	50.0	47.5	34.3	31.3	18.5
62.5	14.4	45.1	42.7	28.3	25.3	16.0
100	18.6	41.8	39.3	24.2	21.2	14.0
155	23.7	38.7	36.2	20.4	17.4	12.1
200	27.4	36.9	34.3	18.2	15.2	11.0
250	31.1	35.3	32.7	16.2	13.2	10.0
300	34.6	34.0	31.4	14.6	11.6	9.2
350	37.9	32.9	30.3	13.3	10.3	8.6
400	41.1	32.0	29.3	12.1	9.1	8.0
450	44.1	31.1	28.4	11.1	8.1	7.5
500	47.1	30.4	27.6	10.2	7.2	7.0
550	49.9	29.7	26.9	9.4	6.4	6.6
600	52.7	29.0	26.3	8.6	5.6	6.2

Electrical Characteristics

- 1-600 MHz impedance 100±15Ω
- Max. delay skew ≤ 45/100m
- Max. conductor resistance 95Ω/km (@20 °C)
- Max. conductor resistance unbalance 5% (@20 °C)
- Min. insulation resistance 5000MΩ/km
- Nom. mutual capacitance ≤ 5.6nF/100M @1KHz
- Nominal velocity of propagation 69%

Mechanical Characteristics

- Outer jacket tensile strength ≥ 13.5Mpa
- Outer jacket elongation ≥ 150%
- Outer jacket aging condition 100 °C x 168 hrs.
- After aging, tensile strength ≥ 12.5Mpa
- After aging, elongation ≥ 125%
- Cold bend no crack (@-20 °C x 4 hrs.)
- Hot impact no crack (@150 °C x 4 hrs.)



Ordering Information :

P/N	Descriptions
AL-7122-B	UTP Cable CAT6 23AWG CM PVC Blue 305M "ALFA BASE"
AL-7124-B	UTP Cable CAT6 23AWG LSZH Blue 305M "ALFA BASE"